

Four Forest Restoration Initiative

Collaboratively restoring 2.4 million acres of northern Arizona's ponderosa pine forest and associated ecosystems

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Restoration in northern AZ is an urgent and monumental task

It will take decades. It will take all of us working together.

Restoration = reduced risk of unnatural fire and associated costs, creating/maintaining healthy resilient forests = clean air/water, carbon sequestration, habitat for native animals, forest recreation, jobs...



1909



1942

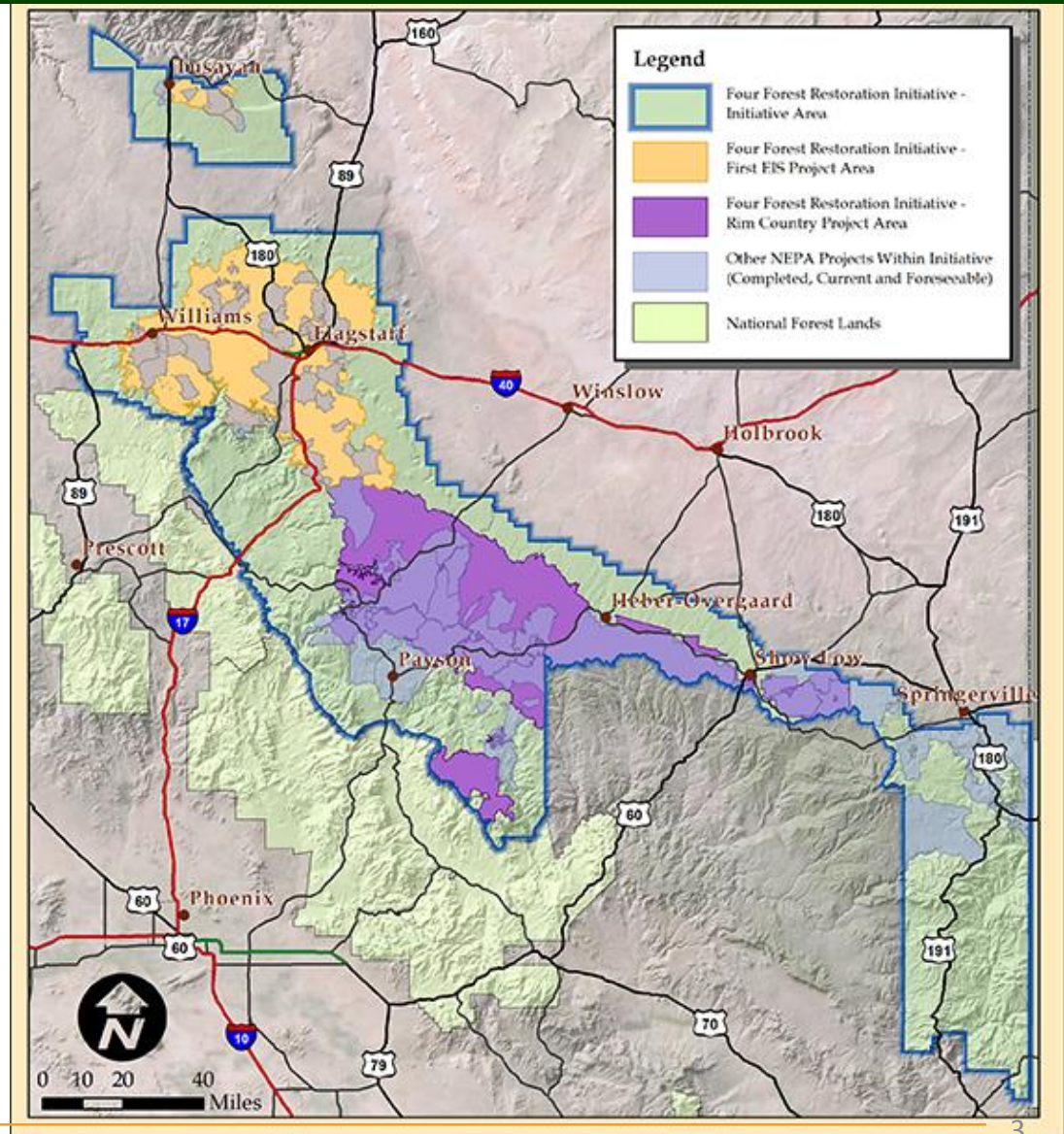


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We must accelerate in a way that is ecologically and economically sustainable at the landscape scale

What is 4FRI

- Accelerate pace and scale of forest restoration
- Ponderosa pine on four national forests in northern AZ, from South Rim of Grand Canyon to New Mexico border
 - Part of the largest contiguous ponderosa pine forest
- Strong social consensus, national model for collaboration
- **NEPA is one of 4FRI's most notable SUCCESSES**
- 500,000 acres currently "NEPA cleared" for mechanical thinning not currently in contract
 - Expecting total of 1.2 million "NEPA cleared" acres by 2021



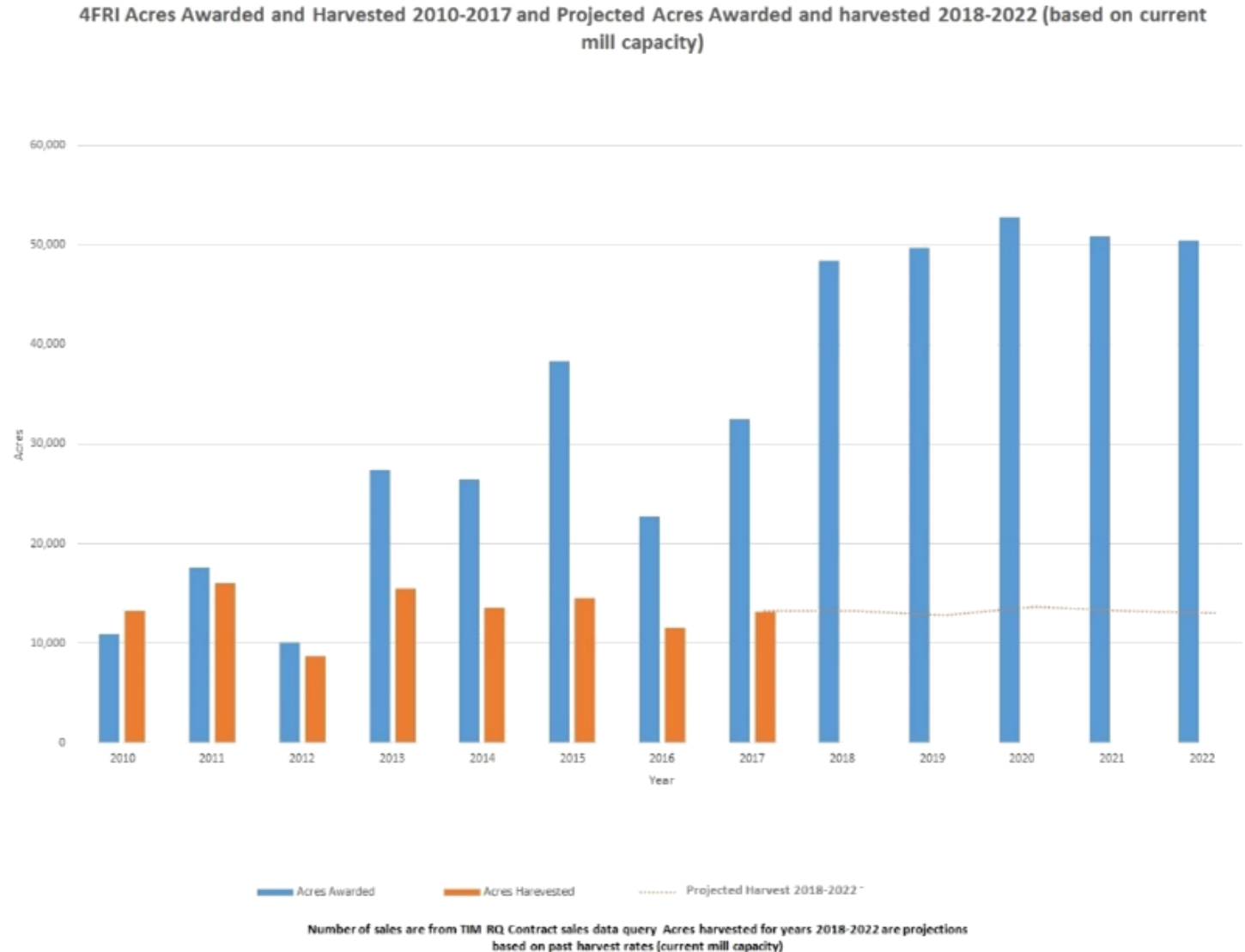
Biomass removal is an important component of restoration

- On average, mechanical treatments can yield approximately 10-30 green tons of biomass per acre – incl standing biomass and residual biomass
- Current option for biomass on west side: pile burning
 - Smoke impacts to public
- **FS is increasing capacity to offer 50,000 ac/year for the next two decades**
 - **Approximately 500,000 to 1.5 million green tons biomass annually**

Seeking industry capacity to utilize biomass

Challenges: Building Industry Capacity

- Surety of supply
- Economics
 - Haul costs
- 10-year contracts
 - Amortizing investment



Thank you

Questions?